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Calf Creek Horizon Evidence at the Gault Site (41BL323); a description of the imagery found in the Volume 5 cover border design

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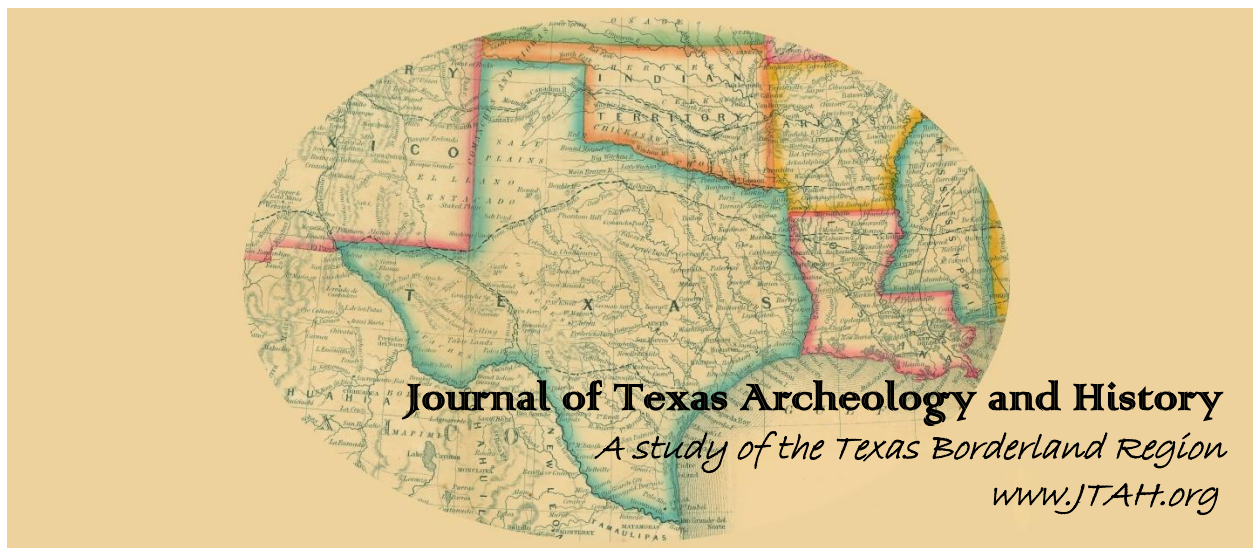
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Calf Creek Horizon Evidence at the Gault Site (41BL323); a description of the imagery found in the Volume 5 cover border design

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Journal of Texas
Archeology and History



Dr. Todd M. Ahlman, Co-Editor-in-Chief

Dr. Mary Jo Galindo, Co-Editor-in-Chief

Steve Davis, Publisher

Volume 5 (2018/2019)

December 2019

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Volume 5 (2018/2019)

Dr. Todd M. Ahlman, Editor Emeritus & Advisor

Dr. Mary Jo Galindo, Co-Editor-in-Chief

Dr. J. Kevin Hanselka, Co-Editor-in-Chief

Steve Davis, Publisher

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The **cover art border design** gracing Volume 5 features a representative sampling of Andice and Bell dart points from the Gault site (41BL323) dated to ca. 6,000 – 5,750 cal BP. Included in the border art are fourteen 2-D representative images of these Calf Creek era dart points by Antonio Arcudi and the author. For a description of the Calf Creek lithic technology found at Gault, refer to the article titled "*Calf Creek Horizon Evidence At The Gault Site (41BL323)*" by Sergio J. Ayala on page xi. Additionally, the reader may click on any image in the cover border art or the article to bring up a full-screen, high-resolution image of that artifact. This is the second in a series of special cover designs for the JTAH by the talented team at the Gault School of Archaeological Research at The University of Texas. Future covers may highlight subjects such as the Folsom points collection and the "older than Clovis" tool kit.

On the **front cover, center panel**: Article 1, Figure 7, page 16; Jack Hughes, former Curator of Paleontology and West Texas State College professor, on a 1966 field expedition at Old Clarendon in Donley County, Texas. Courtesy of Panhandle-Plains Historical Museum.

The **"Flip-Cover"/Back Cover** is a special cover designed to honor of our first dual-language publication. Flip the book over to reveal a Spanish-language cover, front matter and translated version of the Amy A. Borgens article "*Chasing the Phantom Ship: Revisiting Interpretations of the Boca Chica No. 2 Shipwreck on the Texas Coast*" originally published in J.T.A.H. Volume 4 (2017/2018). The scene illustrating the engagement off Brazos Santiago, April 3, 1836 is entitled "*Invincible vs. Bravo*". This artwork was created especially for the Amy Borgens article by Peter Rindlisbacher (2017).

INTRODUCTION: The Journal of Texas Archeology and History.org is an organization dedicated to furthering research, education and public outreach in the fields of archeology and history concerning Texas and its bordering states of Louisiana, Arkansas, Oklahoma, New Mexico and Northern Mexico; a region we call the “*Texas Borderlands*.” This volume is comprised of articles of original research that have been peer reviewed and our first dual-language (Spanish version) article in what will be the first of many as we support our colleague’s south of the Rio Bravo. We proudly present our signature publishing effort for the year 2018/2019 – “*The Journal of Texas Archeology and History, Volume 5.*”

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Publisher's Notes concerning publication of Volume 5

First, please accept our apology for late delivery of this volume which was originally scheduled for publication in early August. We experienced more difficulty in finalizing the Spanish version translations found in this volume than anticipated. However, we felt it supremely more important to accomplish our goal to provide Spanish articles than it was to hit an arbitrary publication date. We trust you, the reader, will agree this decision and will enjoy the final product. Plus, it was a valuable learning experience that has us much better prepared for future dual-language publications.

It is important for us to express our special thanks to Dr. Jose Luis Casabán for his valuable assistance in crafting the Spanish Language version of the Borgens Boca Chica shipwreck article in Volume 5. In addition to providing the Spanish translation of the Borgens shipwreck article, he provided the translation of the special Spanish “flip-cover” and much of the related “front matter”. Dr. Mary Jo Galindo provided the translation of the Publishers Forward. However, in final production and assembly of this volume, several incidental sections, such as this “Publisher’s Notes” page, have been translated into Spanish by “Google Translate” or “Microsoft Translate”. Hopefully these translating tools are sufficiently accurate to convey the intended message.

In Volume 5, we re-print an edited version of the original English article authored by Amy Borgens discussing the Boca Chica No. 2 shipwreck. During the process of translating and editing the article for this volume, the author discovered several listings in Table 1 and certain citations were missing from the original publication found in JTAH Volume 4. To correct this situation, we provide the corrected article here for future use and reference by serious maritime researchers.

Publisher

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FOREWORD TO VOLUME 5 (2018/2019): PUBLISHER'S REFLECTIONS

For the fifth time, I look back on the past year in amazement of what great work our talented and dedicated group of volunteers and authors have produced. As we look forward to the sixth anniversary of the J.T.A.H. in November, it is important to recognize the group of experts that constitute our boards, both corporate and editorial, and thank them for donating their time and expertise to the pursuit of free and open-access publication of important new research.



Figure 1 - Several members of the J.T.A.H. Corporate and Editorial Boards showing off copies of our "Journal" in San Antonio. Shown left to right are: Linda Gorski, Ashley Lemke, Steve Black, Amy Borgens, Mary Jo Galindo, Chris Meis, Emiliano Gallaga Murrieta.

In Volume 5, we are doing something quite a bit different than years past and accomplishing a goal we have held since the first days of the J.T.A.H. – this Journal volume includes our very first Spanish language article. To honor the event, we have produced it with an unusual feature – a “flip cover”. In this volume, one will “flip” the volume over to reveal the back cover has become a Spanish language front cover. This feature comes complete with Spanish language front matter and the Spanish translation of the Amy Borgens article that was featured originally on the cover of

J.T.A.H. Volume 4. We are extremely proud of this newest service provided to our readers and one that we trust will be repeated many times in the future. Our ardent hope is to promote and facilitate better collaboration with our counterparts south of the Rio Bravo/Rio Grande.

At our annual corporate Board of Directors meeting held during the T.A.S. Annual Meeting in San Antonio last October, we took the opportunity to discuss planning for the next five years of J.T.A.H. and what we needed to do to position the organization to serve the archeology and history communities into the future. That planning appears to be leading us into exciting changes and alliances which will be discussed during our next Board meeting in Amarillo. It's too soon to be specific but do look for further news and announcements in the coming days.

Our "International Scholars Symposium" series continued to be a success with four leading scholars traveling from Mexico to participate and share their experiences, research and points-of-view. Improving international collaboration with our fellow researchers in Mexico is one of the targeted goals of the J.T.A.H. We appreciate the financial support of the Gilmore Foundation and the Friends of the T.H.C. that funded the travel expenses for our guest lecturers from Mexico.

It has been another very good and productive year for the J.T.A.H. Looking forward at the prospects coming from our 5-year planning efforts, we believe the next five years will be every bit as fruitful. Finally, a heartfelt word of thanks to our many readers, supporters and the almost two-thousand social media followers.

Steve Davis, Publisher

Christmas 2019

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CALF CREEK HORIZON EVIDENCE AT THE GAULT SITE (41BL323)

Sergio J. Ayala

Dated to ca. 6,000 – 5,750 cal BP considerable amounts of material culture associated with what is identified as the **Calf Creek Horizon** by Don G. Wyckoff, has been recovered from the Gault site (Wyckoff pp. 1-8, 1994). The natural response to this evidence was to expand upon previous understandings of this time period (Wyckoff and Shockey 1994) (Weber 1994) (Wyckoff and Shockey 1995) (Drass 1999). Directed by Michael B. Collins, a considerable amount of effort was invested by the author to develop a deeper understanding of the human manufacturing behaviors behind the production of the dart points of this horizon throughout the Southern Plains. An upcoming book edited by Jon C. Lohse, Don G. Wyckoff, and Margorie Duncan (Lohse In Press) will feature many insights into this horizon and these point technologies by the author from the Gault School of Archaeological Research (GSAR) and Elton Prewitt from the Texas Archaeological Research Laboratory (TARL).

The sample of imagery presented here comes from two primary periods of investigation. There is material from the Pearce Collection located at TARL, excavated by J. E. Pearce and his crewmen in 1929 and 1930 (Collins 2011). There are also specimens that relate to GSAR investigations between 1999 and the current day (Williams 2018). The assembled imagery consists of significantly refurbished Andice points, point fragments, Andice stems, several Bell point specimens that have clearly seen service in the ancient past, potential Andice preforms from the Pearce Collection (illustrated by Sergio J Ayala), a practice notching piece, and notching flakes that are a byproduct of Andice point manufacturing. These images comprise a tiny fraction of the Calf Creek Horizon materials from the Gault site. This evidence demonstrates both the discard of exhausted points and tremendous quantities of Andice and Bell point manufacturing at the Gault site. This does not include the nearly 3,000 Andice and Bell point specimens that are said to have been collected from the site during the years when the property was a pay-to-dig operation (Hester 1992) (Collins 2011).

Archaeologically, we know very little about the hunter gatherer groups that are the creators of the extraordinarily complex dart points that mark this horizon in time throughout the Southern Plains. Technologically however, we now understand that there are three dart point forms that are contemporaneous, intergrade morphologically, and share similar reduction strategies, techniques, flaking patterns, and reduction sequences. They are the Andice and Bell dart points of Texas and the Calf Creek dart points associated with southeast Colorado, Kansas, Missouri, and Oklahoma (Ayala, Technology and Typology of the Calf Creek Horizon In Press).

ABOUT GAULT and the G.S.A.R.

This is the second in a planned series of special cover border art that highlight the important research being conducted by the [Gault School of Archaeological Research](http://GaultSchoolofArchaeologicalResearch.org) staff. The Gault School of Archaeological Research is a non-profit, 501(C)(3) charitable organization dedicated to innovative, interdisciplinary research archaeology and education focusing on the earliest peoples in the western hemisphere and their cultural antecedents. The reader is encouraged to “click” around on the various cover art images comprising the front and back cover border artwork to find and explore the additional rich content hidden there.

In this volume, the border art design incorporates various images of Andice points and possible Andice preforms found during the Gault Site excavations. In the digital online versions, the reader is encouraged to click on each of the images for a high-resolution, full-screen image. Following are additional Calf Creek period illustrations and artifact images completed by the author from the Gault site collections:

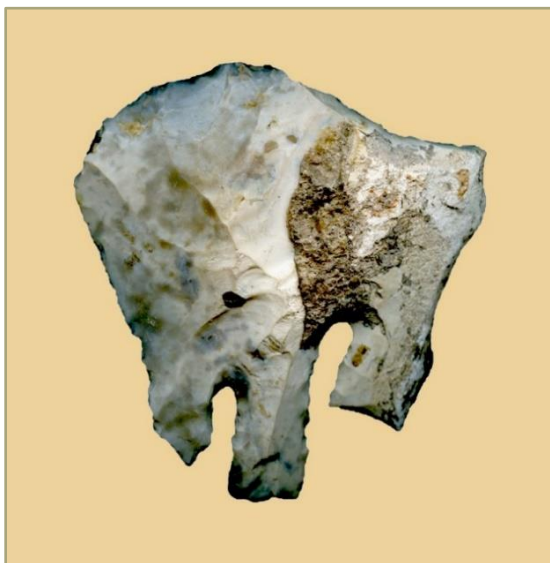


Figure 1 - Possible practice notching piece....

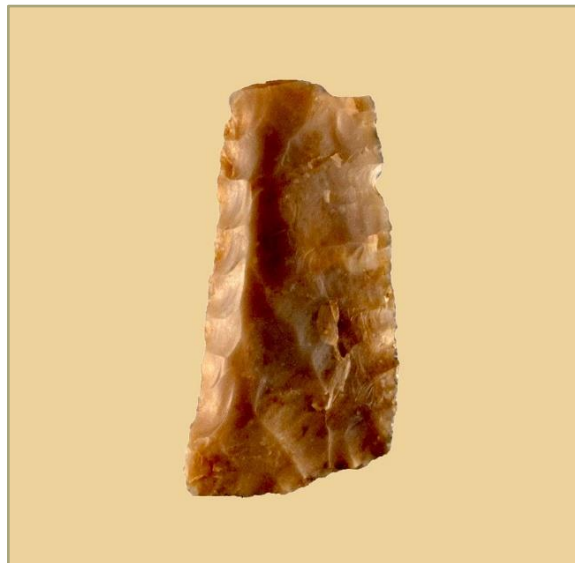


Figure 2 - Andice dart point barb



Figure 3 - A Bell dart point from Gault

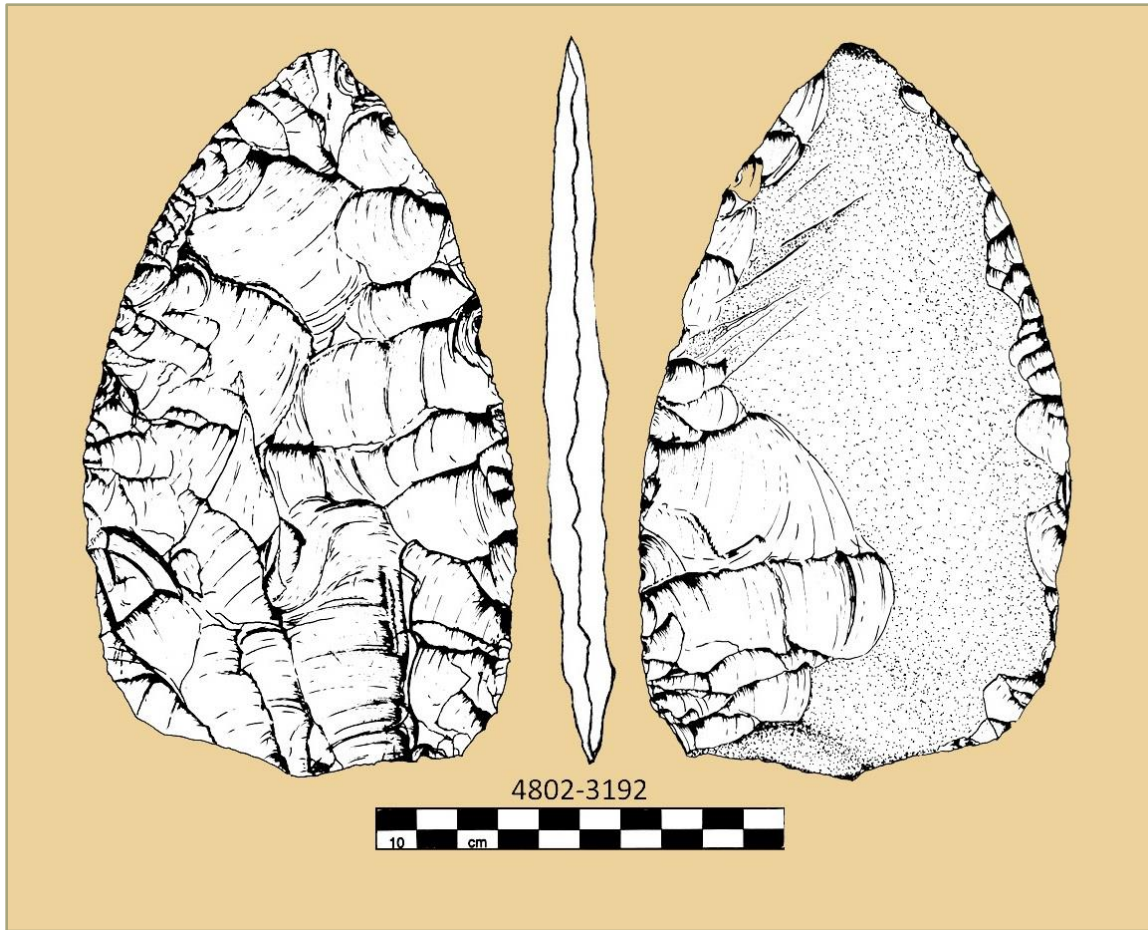


Figure 4 - Illustration of a potential Andice dart point preform



Figure 5 - Andice dart point stem.



Figure 6 - Bell dart point fragment.

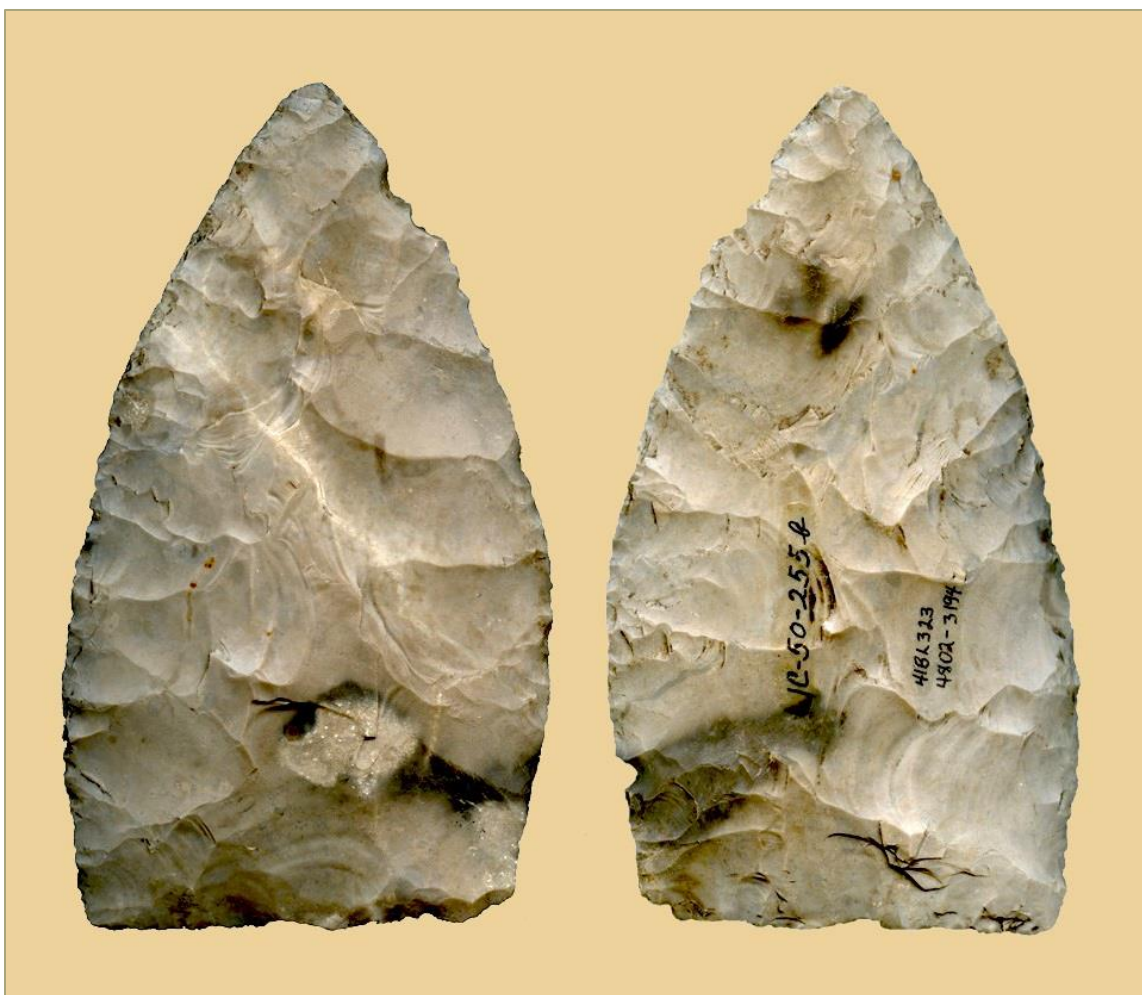


Figure 7 - Possible Andice dart point preform



Figure 8 - Exhausted Bell dart point



Figure 9 - Andice dart point barb.



Figure 10 - Potential Andice dart point preform

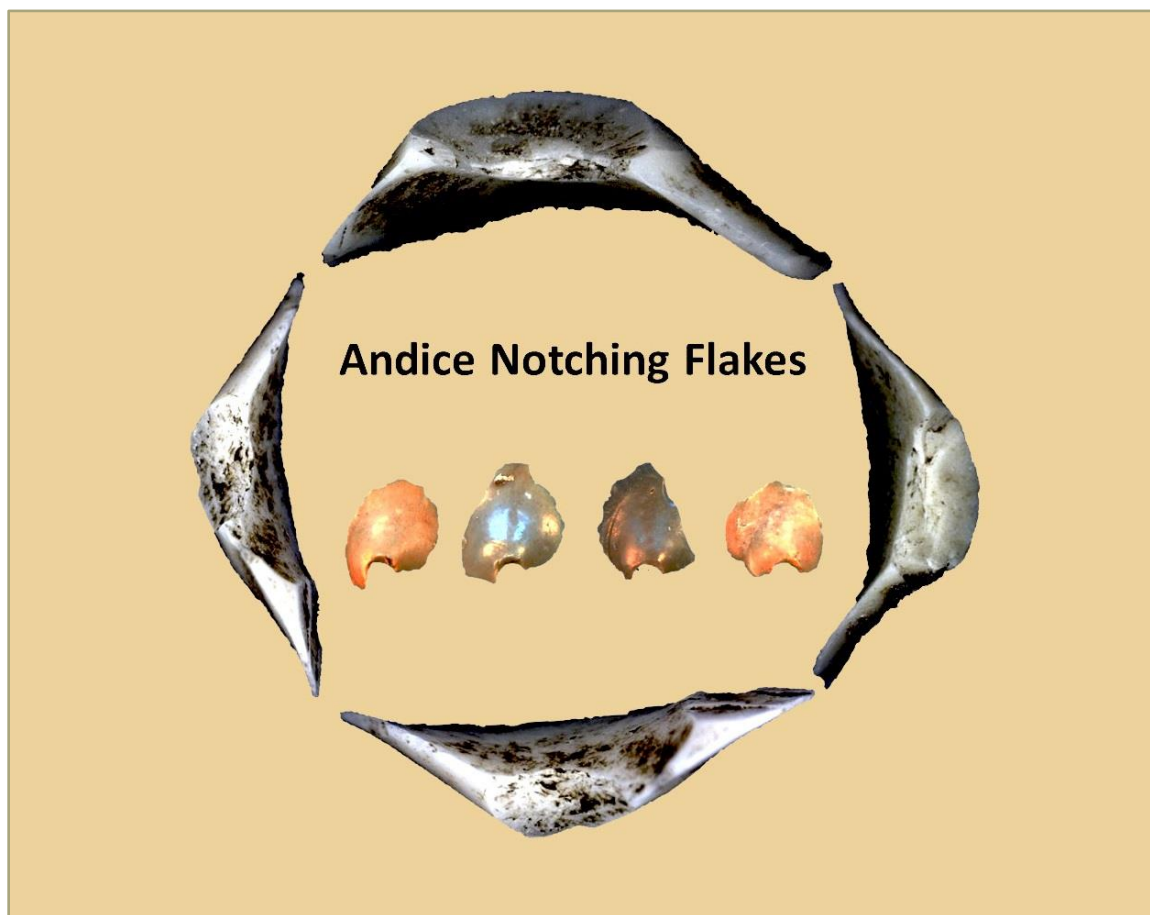


Figure 11 - Examples of Andice dart point notching flakes from 41BL343.



Figure 12 - The Calf Creek Horizon from Gault.

ACKNOWLEDGEMENTS

Sincere thanks go to Dr. Michael B. Collins, Dr. D. Clark Wernecke, Dr. Thomas J. Williams and Nancy Velchoff at the Gault School of Archaeological Research. As some readers may well be aware, Texas projectile point typologies can divide opinion and every effort has been made to provide appropriate references. All of the types here were identified by Elton R. Prewitt, Dr. Robert Lassen, and Sergio J. Ayala as part of an ongoing analysis of the archaeological materials recovered from the Gault Site. Excavations at the Gault Site were funded in part by NSF Grant 0920549 to Texas State University, San Marcos. The Gault School of Archaeological Research is funded with the generosity of private donors.

To learn more about the [Gault Archaeological Site click here.](#)

To find out about the important research and working with the [Gault School of Archaeological Research click here.](#)

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Border Art Cover Design and Layout: Steve Davis.

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